BUILDING SAFE, PERMANENT CARBON STORAGE FOR TOMORROW'S WORLD

FRONTIER
CARBON SOLUTIONS

Frontier Carbon Solutions

Who We Are

Carbon Storage Development

Full team of engineers, developers, and project managers dedicated to CO2 storage development

Dedicated Carbon Market Prescence

Proprietary network of partners to accelerate tax equity and carbon market financing

Supported by Institutional Capital

Fully backed by Tailwater Capital, a $4.5B AUM infrastructure fund focused on transitional and infrastructure investments

The Green River Basin

A Premier Carbon Storage Hub

Plentiful Natural Resources

Natural Gas, Oil, Helium, Trona, Lithium, Uranium

Critical Industrial Corridor

Power, Natural Gas Processing, Hydrogen, Emerging Nuclear

Immense Carbon Storage

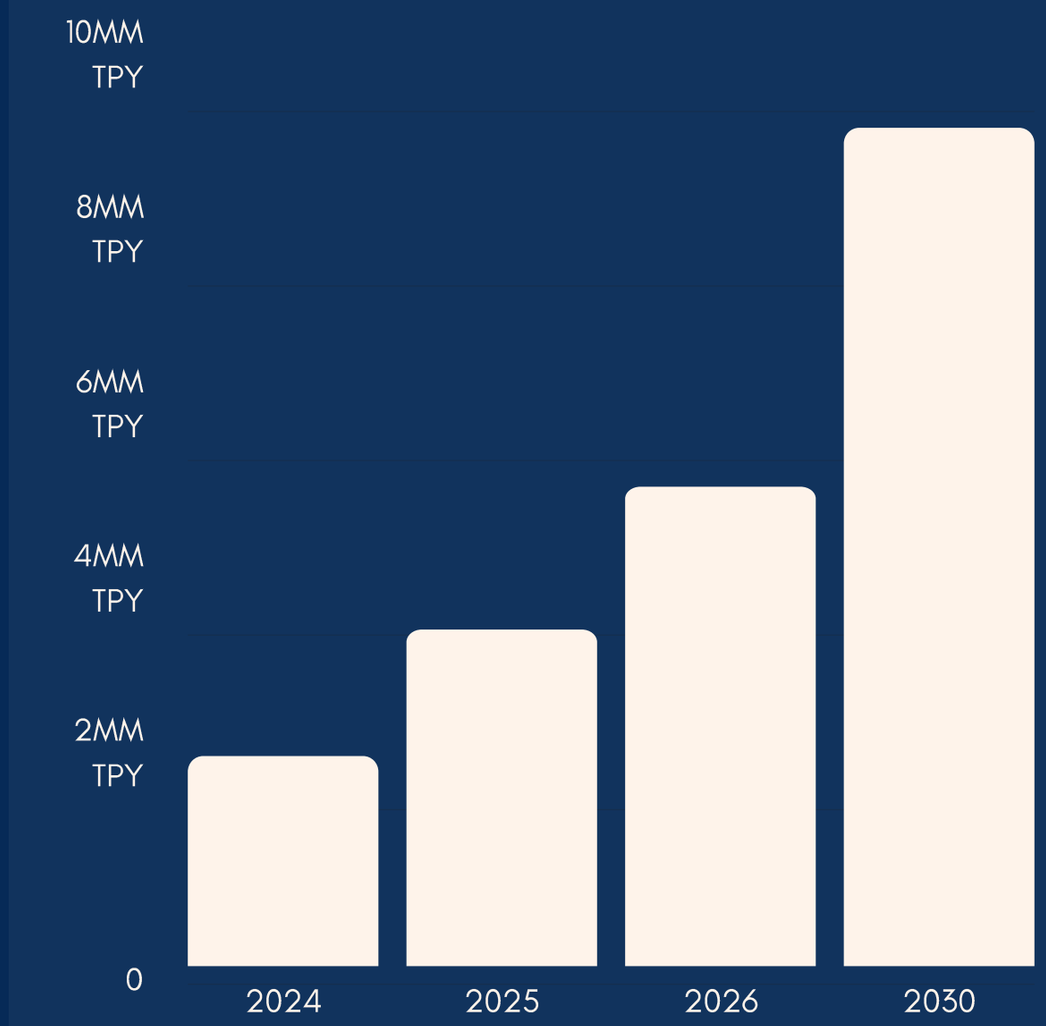
World-class geology for CO2 sequestration

Sweetwater Carbon Storage Hub

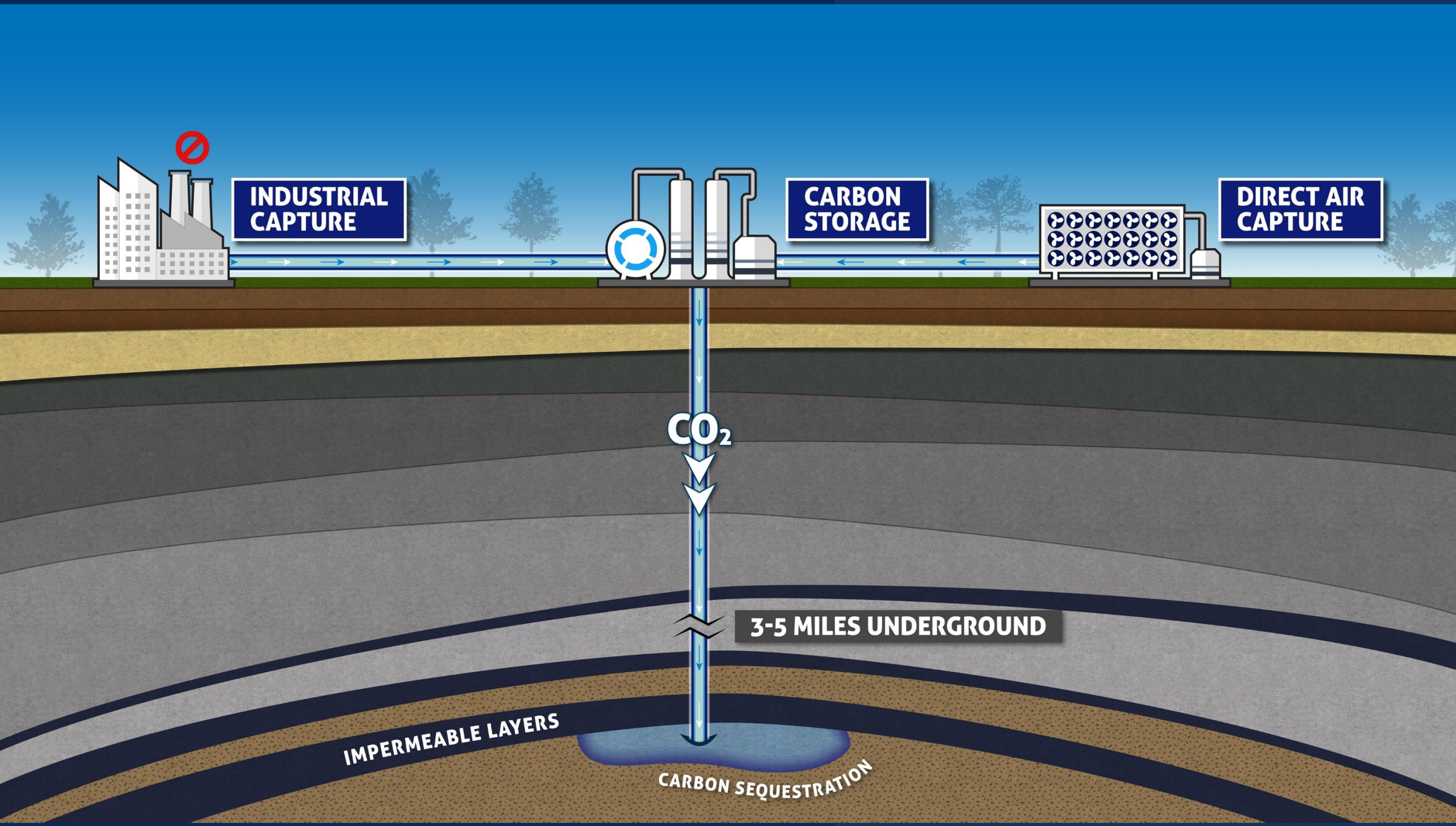
Mission Critical Infrastructure for WY Decarbonization

Frontier Carbon Solutions is developing the Sweetwater Carbon Storage Hub in Southwest Wyoming. This facility can provide permanent CO2 storage for some of Wyoming's most critical industries.

At scale, we can remove up to 10 million tons of CO2 annually, representing 17% of Wyoming's total emissions.

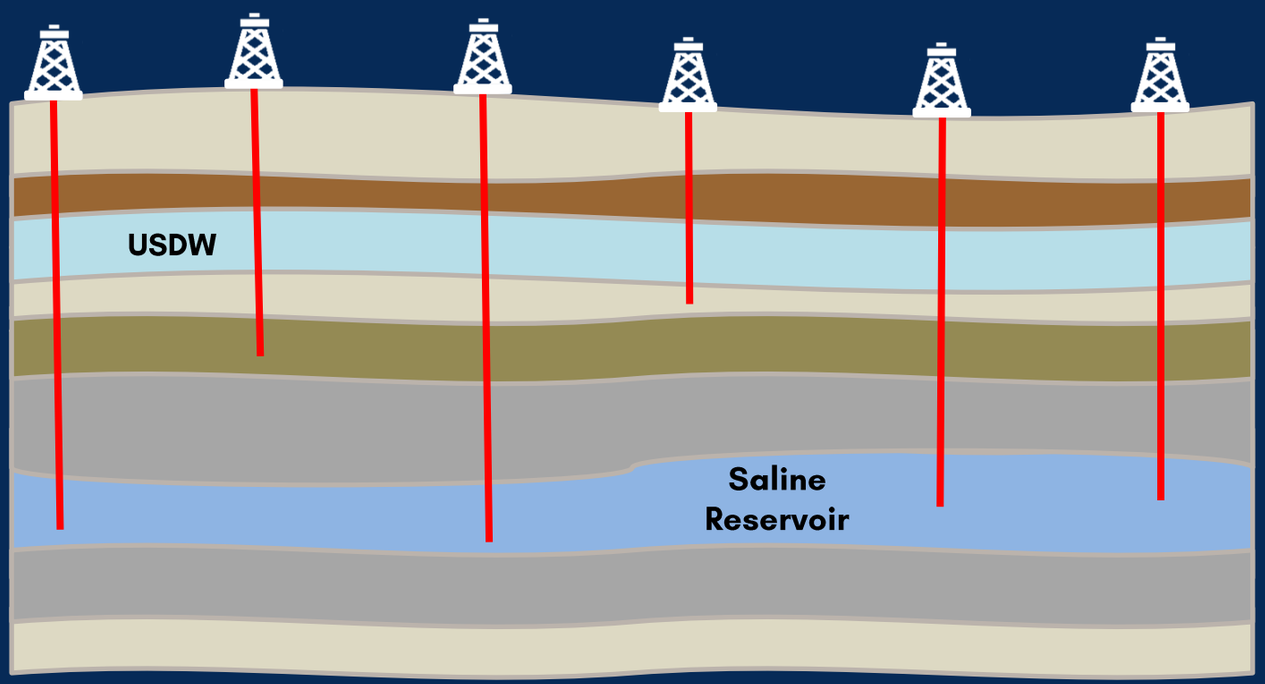


HOW CARBON STORAGE WORKS



Permitting a Class VI Well for Permanent CO2 Storage

Categorization of Injection Wells



CLASS I
Wells used to dispose of municipal and industrial wastes

CLASS II
Wells for O&G related activities

CLASS III
Injection of fluids for solution mining

CLASS IV
Wells for the disposal of hazardous and radioactive wastes

CLASS V
Wells for the safe disposal of non-hazardous fluids underground

CLASS VI
Newest class of injection well for geologic sequestration of anthropogenic CO2

Class VI Requirements

- Protect Underground Sources of Drinking Water.
- More specific and comprehensive requirements than any other injection well class.
- Construction requirements for materials compatible with CO2 that can withstand contact over the life of the well.
- Comprehensive monitoring requirements that address all aspects of well integrity, CO2 injection and storage, and groundwater quality during injection and post-injection site care period.
- Financial responsibility requirements assuring the availability of funds for the life of the project (include emergency response and post-injection site care).
- Reporting requirements to continually evaluate operations and confirm protection of USDWs.

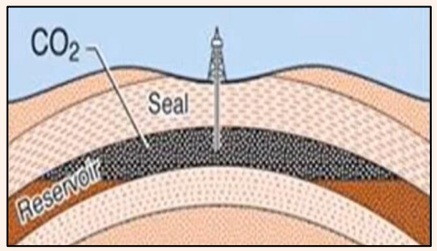
Does the CO2 stay where we put it?

YES

Key Trapping Mechanisms for CO2

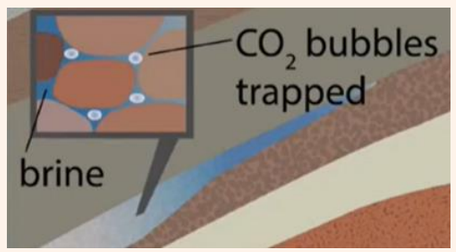
TIME SINCE INJECTION (YEARS), INCREASING STORAGE SECURITY

Structural



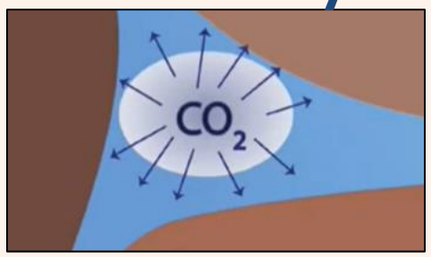
Physical barriers such as impermeable rock layers act as seals preventing CO2 from migrating out of the reservoir.

Residual



As CO2 begins to migrate through the reservoir, CO2 displaces fluids and remains trapped inside tiny pores due to capillary forces and becomes immobile.

Solubility



CO2 molecules are soluble and will dissolve in the formation fluid. CO2 will also bind to the formation surface like metal attaching to a magnet.

Mineral

After CO2 is dissolved, over time it will react with surrounding minerals in the formation to create solid carbonate minerals and be trapped for millions of years.

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Key Development Milestones

- Developed & submitted 3 Class VI permits to the Wyoming DEQ with 2 additional permits planned for next month
- Launched FEED engineering with Shell Cansolv to develop innovative and leverageable carbon capture solutions for industrial emitters
- Lead storage developer for Project Bison, the first Direct Air Capture – to – Carbon Storage partnership in North America with Carbon Capture Inc

Project Partners

Schlumberger

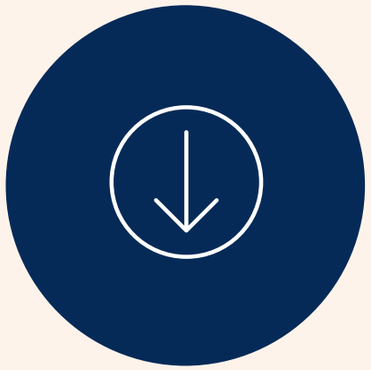
CarbonCapture™

TAILWATER CAPITAL

OUR FOCUS

Ensure Community Engagement
Secure Legislative and
Stakeholder Support

Permitting
Development
Environmental Stewardship



Create Permanent CO^2 Storage
To Permanently Decrease Emissions
in Wyoming by +10MM TPY

THANKS FOR YOUR SUPPORT

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